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Waste Site Reclassification Form

Date Submitted: 10/7/1999	**Operable Unit(s):** 200-CS-1	**Control Number:** 99-092
Originator: B. H. Ford	**Waste Site ID:** UPR-200-W-34	
Phone: 372-9176	**Type of Reclassification Action:**	
	Rejected ◉	
	Closed-Out ○	
	No Action ○	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is an unplanned release in May 1955 resulting from an overflow of the 216-S-10 Ditch. It is an area of about 0.4 hectares (1 acre) between the 216-S-10 Ditch and the REDOX Chemical Sewer Trench (216-S-11). The contaminated material was covered with 0.6 meters (2 feet) of clean soil, and removed from radiation zone status in March 1971.

Basis for reclassification:

The site is an overflow from the 216-S-10 Ditch and adjacent to that site and the 216-S-11 Trench. It has been consolidated with the 216-S-10 Ditch for remediation.

Brian L. Foley	[signature]	1/19/00
DOE Project Manager	Signature	Date
Wayne Seper	[signature]	1-19-00
Ecology Project Manager	Signature	Date
NA		
EPA Project Manager	Signature	Date

Waste Information Data System
General Summary Report

10/7/1999

Site Code: UPR-200-W-34 **Site Classification:** Accepted

Site Names:	UPR-200-W-34, Overflow at 216-S-10 Ditch, UN-200-W-34		
Site Type:	Unplanned Release	**Start Date:**	1955
Status:	Inactive	**End Date:**	
Operable Unit:	200-CS-1	**Coordinates:**	
Hanford Area:	200W	(E) 566566.188	
		(N) 133308.547	
		Washington State Plane	

Site Description: The site is an unplanned release resulting from an overflow of the 216-S-10 Ditch. The site is described as 0.4 hectare (1 acre) large, located between the open 216-S-10 Ditch and the REDOX Chemical Sewer Trenches (aka 216-S-11). The site has been consolidated with the 216-S-10 Ditch.

Location Description: The release site was located south of REDOX, outside the 200 West area perimeter fence.

Associated Structures: This release is associated with the 216-S-10 Ditch and the 216-S-11 Ponds.

Site Comment: Following this incident, the ditch was dredged. The contaminated sludge was removed and placed in low spots on both sides of the ditch. The contaminated material was covered with 0.6 meters (2 feet) of clean soil. The area was removed from radiation zone status in March 1971.

Cleanup Activities: The southern portion of the 216-S-10 Ditch was backfilled and stabilized in 1984. The northern section of the 216-S-10 ditch is an inactive, open ditch.

Release Description: During May 1955, overflow from the open ditch (216-S-10 Ditch) to REDOX Chemical Sewer Trenches (216-S-11) contaminated about 0.4 hectares (1 acre) of ground between the open ditch and the east trench. The maximum dose rate detected was 1 rad/hour at the ground surface.

References:

1. K. F. Baldridge, 7/15/59, Unconfined Underground Radioactive Waste and Contamination in the 200 Areas - 1959, HW-60807.
2. H. L. Maxfield, 4/3/73, Radioactive Contamination in Unplanned Releases to Ground Within the Chemical Separations Area Control Zone through 1972; Part 4, ARH-2757.
3. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.
4. 2/89, Preliminary Operable Units Designation Project, WHC-EP-0216.
5. Deford, D.H., R.W. Carpenter, 1995, S-Plant Aggregate Area Management Study Technical Baseline Report, BHI-00176.
6. D.L. Nearing, 10-19-84, Weekly Activity Report, Environmental Control Programs - Week ending October 21, 1984, 05000-84-61.

Regulatory Information:

Programmatic Responsibility

DOE Program:	EM-40	**Confirmed By Program:**	Yes
DOE Division:	RPD - Restoration Projects Division		
Responsible Contractor/Subcontractor:	BHI - Bechtel Hanford, Inc.		

Site Evaluation

Solid Waste Management Unit: No

TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:

216-S-10D, 216-S-10D Ditch, 202 Chemical Sump #1 and Ditch, Chemical Sewer Trench, Open Ditch to the Chemical Sewer Trench, 216-S-10 Ditch

Reason: The release was an overflow of the 216-S-10 Ditch and will be remediated with that site.

Permitting

RCRA Part A Permit:	No	**216/218 Permit:**	No
RCRA Part B Permit:	No	**NPDES:**	No
Closure Plan:	No	**State Waste Discharge Permit:**	No
TSD Number:		**Septic Permit:**	No
Air Operating Permit:	No	**Inert Landfill:**	No

Air Operating Permit Number(s):

Tri-Party Agreement

Lead Regulatory Agency: Ecology

Unit Category: RCRA Past Practice (RPP)

TPA Appendix: C

Remediation and Closure

Decision Document:

Decision Document Status:

Remediation Design Group:

Closure Document:

Closure Type:

Post Closure Requirements:

Residual Waste:

Waste Information:

Type: Process Effluent

Category: Mixed

Physical State: Liquid

Start Date: 1955 **End Date:** 1955

Description: The process that the waste originated from, and the quantity of the overflow was not described in the original reference. The maximum dose rate detected was 1 rad/hour at the ground surface.

References:

1. K. F. Baldridge, 7/15/59, Unconfined Underground Radioactive Waste and Contamination in the 200 Areas - 1959, HW-60807.
2. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.
3. Deford, D.H., R.W. Carpenter, 1995, S-Plant Aggregate Area Management Study Technical Baseline Report, BHI-00176.

Images:

Date Taken: 7/16/99

Pathname: \\bhi002\esd-img\200W\1497\1497_01.BMP

Description: Aerial Photo taken 4-18-66 shows the active 216-S-11 Pond and the backfilled 216-S-10 Pond. The 216-S-11 is shown with liquid in it. The 216-S-10 Pond and fingers are dry. The release overflow occurred between the 216-S-10 Ditch and the 216-S-11 Pond.